

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
7 April 2005 (07.04.2005)

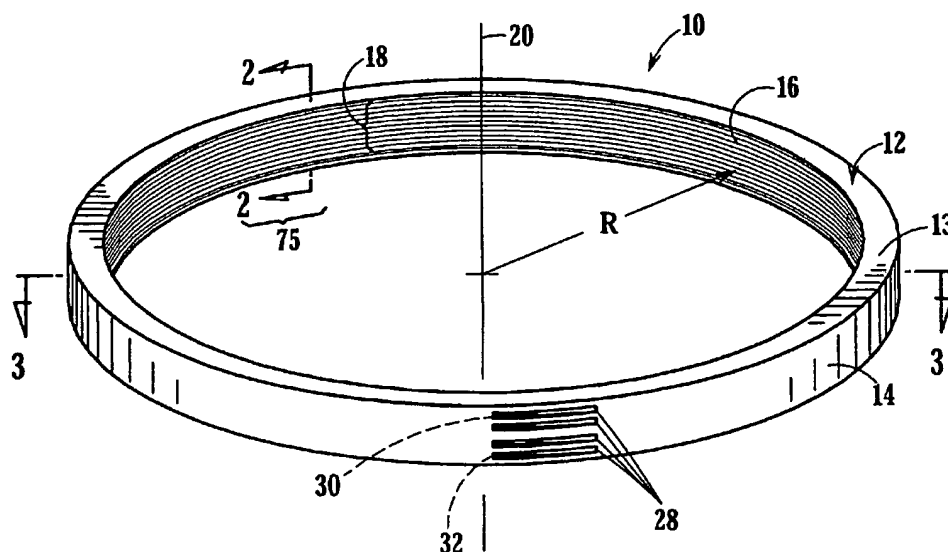
PCT

(10) International Publication Number
WO 2005/031401 A2

- (51) International Patent Classification⁷: **G02B** (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (21) International Application Number: PCT/US2004/031723
- (22) International Filing Date: 27 September 2004 (27.09.2004)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data: 60/506,022 25 September 2003 (25.09.2003) US
- (71) Applicant (for all designated States except US): NUFERN [US/US]; 7 Airport Park Road, East Granby, CT 06026 (US).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): SEIFERT, Martin [CA/US]; 17 High Ridge Road, West Simsbury, CT 06092 (US).
- (74) Agent: RAINVILLE, Peter, J.; Nufern, 7 Airport Park Road, East Granby, CT 06026 (US).
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published: — without international search report and to be republished upon receipt of that report

[Continued on next page]

(54) Title: APPARATUS AND METHODS FOR ACCOMMODATING LOOPS OF OPTICAL FIBER



(57) Abstract: Disclosed is an optical apparatus (10, 110, 410, 610) for accommodating optical fiber, such as one or more loops of optical fiber. The optical apparatus (10, 110, 410, 610) can include a body (12, 112, 412, 612) comprising an inwardly facing surface (16, 116, 416, 616) adapted for receiving a plurality of loops of a length of optical fiber. The body (16, 116, 416, 616) can include at least a portion (75) wherein the inwardly facing surface is continuous between two adjacent loops (79). Methods and apparatus are disclosed for disposing the optical fiber with an optical apparatus (10, 110, 410, 610) for accommodating the optical fiber.



For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.